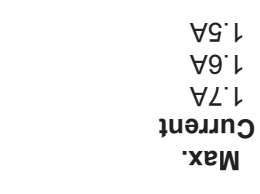
Introduction

Congratulations on your purchase of the Sima SUP-2 Universal Power Adapter. It can power digital cameras and other portable electronic devices requiring 3.3 / 4.2 / 5.0 / 6.5 / 8.4 or 9.5V DC power. The SUP-2 can also provide power for other devices. It is fully regulated using high efficiency switching technology and features overload and short circuit protection. The SUP-2 comes with seven connectors to fit different digital cameras and other electronic devices. Additional connectors are available from Sima.

This package Includes:

1	AC adapter	7	Center pin positive connectors
1	12V car lighter cord	1	SUP-2 This Manual



Operation

1. Set the output voltage switch, as illustrated in Fig. 1, to the desired output for your device. Choose from the following settings: 3.3 / 4.2 / 5.0 / 6.5 / 8.4 or 9.5 V.

The SUP-2 comes with seven standard connectors. The connectors allow you to match the size and polarity of your device's DC input jack. If your device requires other types of connectors, contact Sima customer service at **800-345-7462.**

The connectors supplied with the SUP-2 are all set in a center pin positive alignment (Fig. A) *If your device requires a center pin negative power source (Fig. B) do not use this adapter.* To determine the required current and correct polarity for your device, refer to the manufacturer's instruction manual or specifications

Fig. A + ( ) - OK **Fig. B** - ( ) + No

2. Select the appropriate connector and attach it to the output socket at the end of the output cord. The connectors are numbered as follows: 1, 2, 4, 5, 13, 14 & 17. To identify the correct connector for your camera, see the list of digital cameras on the reverse side of this sheet. If unsure, use the connector that fits the power jack of your camera. The three-pin connectors are designed to fit into the socket in only one position. Align the pins as shown at right in Fig. 2. Do not force.

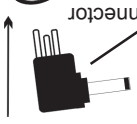


Fig. 2

3. Insert the connector into the power jack on your portable device.
4. Plug either the AC adapter or the car cigarette lighter cord into the SUP-2's input power jack located at the top of the unit. **Note: Do not plug the AC adapter or car cord directly into anything except the SUP-2.** Next, plug the AC adapter (or car cord) into a standard AC wall outlet (or car lighter). The red power light on the SUP-2 should turn on. You can now operate your device.

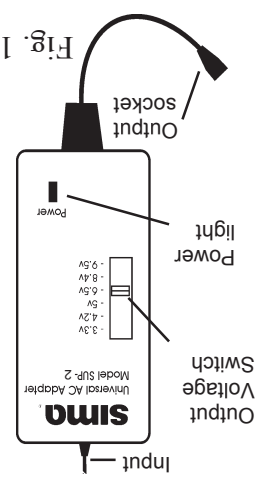


Fig. 1

IMPORTANT: Your portable device must be rated between 3 - 10V DC and no more than 2100 mA of current to use the SUP-2. If the exact voltage for your device is not listed below and is less than 10V, you can try setting the voltage switch to the nearest voltage – use the lower setting first. If the device does not operate, disconnect the connector from the device, reset the voltage switch to the next higher setting and re-connect. **Do not continue trying higher settings as they may result in damage to your device or the adapter.**

The SUP-2's current (mA) must be equal to or greater than the current your portable device requires. Remember 1A = 1000mA, 0.5A = 500mA. Use the following chart to determine the output current from the SUP-2:

Output Voltage	Max. Current	Output Voltage	Max. Current
3.3V =	2.1A	6.5V =	1.7A
4.2V =	2.0A	8.4V =	1.6A
5.0V =	1.9 A	9.5V =	1.5A

Resetting the Adapter

CAUTION: If the power light turns off, check the power source. If on, the output current may be beyond the AC adapter's specifications and the overload protection has been activated.

To reset the adapter:

1. Disconnect the AC adapter from the AC outlet and the device you are powering. Wait 10 seconds.
2. Plug the AC adapter into the AC outlet again. If the indicator remains off, there may be a problem with the AC adapter. Contact Sima customer service for assistance.

Model SUP-2

For use with
digital cameras and camcorders.

Universal Power Adapter

Can't find your plug?
Call Customer Service
800.345.7462

sima®
www.simacorp.com

90-day Limited Warranty

Sima Products Corporation warrants this product against defects in materials and workmanship for a period of 90 days from the date of purchase. During the warranty period, the product will be repaired or replaced at Sima's option. Mail the enclosed product registration card within ten days of the original purchase.

Conditions: Ship your unit, freight pre-paid, including reasonable proof of date and place of purchase and description of problem to:
Sima Products Corporation
Attn: Customer Service
140 Pennsylvania Ave.
Bldg. #5
Oakmont, PA 15139

This warranty is void if any defects are caused by abuse, misuse, negligence or unauthorized repairs.All liability for incidental or consequential damages is specifically excluded. Some states do not allow for the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.

Specifications:

AC adapter input:	120V AC, 60 Hz
AC adapter output:	13.5V DC, 1.2A
SUP-2 input:	12-15V DC,
Output rating:	3.3 / 4.2 / 5 / 6.5 / 8.4 or 9.5V DC
DC cord length:	1 m
Operation Temp:	32 to 113 degrees F
Storage temp.:	-4 to 140 degrees F
Dimensions:	4" x 2.1" x 1.4"

Plug #	Size (diameter)
1	4.0 mm x 1.7 mm
2	4.75 mm x 1.7 mm
4	Sony L/M
5	Sony S/C
13	3.5 mm x 1.35 mm
14	5.5 mm x 2.1 mm
17	Sony FC

Safety warnings and Cautions

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

CAUTION: To reduce the risk of electric shock, do not remove cover or back. No user serviceable parts inside. Refer servicing to qualified personnel.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions for your AC power adapter. Before using your adapter, read all instructions and cautionary markings on the product.

DANGER: To reduce the risk of fire or electric shock, follow these instructions.

FCC Statement This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Your adapter is ETL listed to UL standards and meets all applicable FCC standards.

WARNING: Changes or modifications to this unit not expressly approved by Sima may cause interference and void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:1. Re-orient or relocate the receiving antenna. 2. Increase the separation between the equipment and receiver. 3. Consult Sima customer service at **800-345-7462** if the problem still exists.

CAUTIONS: ·The adapter must attach to the power supply source with a built-in over-current protective device (Max. 15A), such as a 15A fuse and branch circuit.· Make sure the adapter is disconnected from the AC outlet and device before adjusting the voltage setting.·Do not use the adapter to power a device that exceeds the maximum power rating.·

Note: The SUP-2's voltage must be the same as the voltage your portable device requires.·The SUP-2's current (mA) must be equal to or greater than the current your portable device requires.

Digital Camera/Camcorder SUP-2 Connector Plug Chart

Brand	Model #	Voltage	Plug #
AGFA	ePHOTO CL-30, CL-34, CL-50, 307, 780, 780C, 1280, 1680	**6.5V**	**1**
CANON	IXUS, IXUS V,V2, V3, 100, 110, 230, 300, 330	**4.2V**	**13**
CANON	A10, A20, A30, A40	**4.2V**	**1**
CASIO	QV-10A, QV-11, QV-70, QV-100, QV-120, QV-200, QV-300, QV-700, QV770, QV-780, QV-2000UX, QV-2300UX, QV-2400UX, QV-2800UX, QV-2900UX, QV-3000EX, QV-3000Plus, QV-3500EX, QV-4000E, QV-5000SX, QV-5500SX, QV-7000SX, QV-8000SX	**6.5V**	**1**
EPSON	PC 550, PC 600, PC 650, PC 700, PC 750Z, PC800Z, PC850Z, PC2100Z, PC3000Z, PC3100Z	**6.5V**	**2**
FUJIFILM	Finepix 50i,1300, 1400Z, 2300, 2400Z, 2700Z, 2800Z, 2900, 3800, 4800Z, 4900Z, 6800Z, 6900Z, DX-10, F401, F402, F601, M603, MX-500, MX-600Z, MX-700, MX-1200, MX-1400, MX-1500, MX-1700Z, MX-2700, MX-2900Z, S1 Pro, S2 Pro, S304, S602	**5V**	**1**
HP	PhotoSmart 120, 315, 318, 320, 612, 620, 720, 850	**6.5V**	**1**
KODAK	DC40, DC50, DC120, DC200, DC200 plus, DC210, DC210 plus, DC215, DC220, DC240, DC240i, DC260, DC265, DC280, DC290, DC3200z, DC3400z, DC5000z	**6.5V**	**2**
KODAK	DC4800, LS443	**5V**	**1**
KYOCERA	Finecam S3, S3L, S4, S5	**5V**	**1**
MINOLTA	Dimage 5, 7, 7Hi, 7i, 3D 1500, EX1500, 2300, 2330z, E201, RD3000, S304, S404	**6.5V**	**2**
NIKON	Coolpix 100, 300, 600,700, 750, 800, 900, 950, 990, 2000	**6.5V**	**2**
NIKON	CoolPix 775, 880, 885, 995, 4300, 4500, 5000, 5700	**8.4V**	**2**
OLYMPUS	C-100, C-120, C-200Z, C-211, C-300Z, C-320L, C-700UZ, C-720UZ, C-730UZ, C-960Z, C-990Z, C-2000Z, C-2020Z, C-2030, C-2040Z, C-2100Z, C-2500L, C-3000Z, C-3020Z. C-3030Z, C-3040Z, C-4000Z, C-4040Z, C-5050Z, D-200L, D-220L, D-320L,D-340L, D-340R, D-360L, D-370L, D-400Z, D-450L, D-450Z, D-460Z, D-500L, D550Z, D-600L, D-620L, E-10, E-20, E-20P, E-100 RS	**6.5V**	**2**
OLYMPUS	C-1, C-1Z, C-2, C-40Z, C-220Z, D-40Z, D-100, D-150Z, D-230	**3.3V**	**1**
OLYMPUS	C-50Z	**4.2V**	**1**
PANASONIC	DMC-F7	**5V**	**1**
PANASONIC	DMC-FZ1	**8.4V**	**2**
PANASONIC	DMC-LC5, DMC-LC40	**8.4V**	**2**
PENTAX	Optio 330RS, 430RS	**4.2V**	**1**
PREMIER	DC620, 820, 1310, 1311, 1500, 2000	**6.5V**	**2**
RICOH	Caplio PR1, Caplio PR10, Caplio PR120, RDC-2, RDC-2E, RDC-300, RDC-300Z, RDC-4200, RDC-4300, RDC-5000, RDC-5300, RDC-6000, RDC-7, RDC-i500, RDC-i700	**5V**	**1**
SANYO	VPC-MZ1, VPC-AZ1	**3.3V**	**1**
SIMA	CP-150 Image Bank (Digital Photo Storage Unit)	**6.5V**	**1**
SONY	CD200, CD250, CD300, CD400, CD450, CD1000, F707, F717, FD85, FD87, FD90, FD92, FD95, FD97, FD100, FD200, S50, S70, S75, S85	**8.4V**	**4**
SONY	P1, P2, P3, P5, P9, P20, P30, P31, P50, P51, P71	**4.2V**	**5**
SONY	Cybershot DSC P8, P10, P32, P52, P72, P92, V-1	**4.2V**	**17**
TOSHIBA	PDR-M1, M3, M4, M5, M11, M21, M25, M60, M61, M65, M70, M71, M81	**5V**	**1**

Remarks: For more information about connector plugs for the SUP-2, see our website at www.simacorp.com

Sima Products Corporation 140 Pennsylvania Ave. Bldg #5
Oakmont, PA 15139 USA
800-345-7462 www.simacorp.com
Made in Taiwan © 2003 Sima Products Corporation PN21697